

AMENDMENT TO THE CLAIMS

Claims 1-22 (Cancelled)

23. (Currently Amended) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding contiguous amino acids from about 1 to about 270 of SEQ ID NO:2;

(b) a polynucleotide encoding contiguous amino acids from about 2 to about 270 of
SEQ ID NO:2;

(c) the polynucleotide complement of the polynucleotide of (a) or (b); and

(d) a polynucleotide at least 90% identical to the polynucleotide of (a), (b), or (c); wherein said polynucleotide of (a)—, (b), (c), or (d) encodes a Tetraspan 7 Protein having the biological activities of the protein of SEQ ID NO:2.

24. (Previously Added) An isolated nucleic acid molecule comprising at least 810 contiguous nucleotides from the coding region of SEQ ID NO:1.

25. (Currently Amended) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding contiguous amino acids from about 1 to about 270 of SEQ ID NO:2 with no more than 50 conservative amino acid substitutions;

(b) a polynucleotide encoding contiguous amino acids from about 2 to about 270 of
SEQ ID NO:2 with no more than 50 conservative amino acid substitutions;

(c) the polynucleotide complement of the polynucleotide of (a) or (b); and

(d) a polynucleotide at least 90 % identical to the polynucleotide of (a), (b), or (c), wherein said polynucleotide of (a), (b), (c), or (d) encodes a Tetraspan 7 Protein having the biological activities of the protein of SEQ ID NO:2.

26. (Previously Added) The isolated nucleic acid molecule of claim 25, wherein the number of conservative amino acid substitutions is not more than 40.

27. (Previously Added) The isolated nucleic acid molecule of claim 25, wherein the number of conservative amino acid substitutions is not more than 30.

28. (Previously Added) The isolated nucleic acid molecule of claim 25, wherein the number of conservative amino acid substitutions is not more than 25.

29. (Previously Added) The isolated nucleic acid molecule of claim 25, wherein the number of conservative amino acid substitutions is not more than 20.

30. (Previously Added) The isolated nucleic acid molecule of claim 25, wherein the number of conservative amino acid substitutions is not more than 15.

31. (Previously Added) The isolated nucleic acid molecule of claim 25, wherein the number of conservative amino acid substitutions is not more than 10.

32. (Previously Added) The isolated nucleic acid molecule of claim 25, wherein the number of conservative amino acid substitutions is not more than 5.

33. (Previously Added) The isolated nucleic acid molecule of claim 25, wherein the number of conservative amino acid substitutions is not more than 3.

34. (Previously Added) The isolated nucleic acid molecule of claim 23, which is DNA.

35. (Previously Amended) An isolated nucleic acid molecule, comprising the polynucleotide of SEQ ID NO:1.

36. (Previously Added) An isolated nucleic acid that encodes a Tetraspan 7 protein having the amino acid sequence of SEQ ID NO:2.

37. (Previously Added) An isolated nucleic acid molecule that encodes a polypeptide having the amino acid sequence of SEQ ID NO:13.

38. (Previously Added) An isolated nucleic acid molecule that encodes a polypeptide having the amino acid sequence of SEQ ID NO:14.